

	A	B	C	D
1	2015			
2	Unit ID			
3		Description	Air Pollution Control Devices	Monitoring Requirements
4	P005	Tunnel Kiln #4 (E-9)	Baghouse	VE checks
5	P006	Copper Calciner 1 (E-10)	2 Baghouses	Baghouse pressure drop (1-5"WC)
6	P009	Rotary Calciner #4 (E-13-1)	TriMer Scrubber and baghouse	Type of fuel burned other than NG
7				Baghouse Pressure drop (0.3-4.5"WC)
8				Type of fuel burned other than NG
9				Method 9 VE reading
10				TriMer 1st Stage Pressure Drop (0-1.5"WC)
11				TriMer 2nd Stage Pressure Drop (1-4"WC)
12				TriMer 3rd Stage Pressure Drop (3-6"WC)
13				TriMer scrubber water flow rate (>50 gal/min)
14				TriMer scrubber water pH (10-13)
15	P010	Rotary Calciner #1 (E-14)	F-1 Scrubber, TriMer Scrubber, and baghouse	Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
16				Type of fuel burned other than NG
17				VE checks
18				Method 9 VE reading
19				TriMer 1st Stage Pressure Drop (0-1.5"WC)
20				TriMer 2nd Stage Pressure Drop (1-4"WC)
21				TriMer 3rd Stage Pressure Drop (3-6"WC)
22				TriMer scrubber water flow rate (>50 gal/min)
23				TriMer scrubber water pH (10-13)
24	P018	Wyssmont Drier (E-22)	Baghouse	Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
25	P024	Gen Cat Reaction Tanks (E-28)	Wet scrubber	Baghouse pressure drop (1-6"WC)
26	P026	Double Cone Blenders B-1&2 (E-30)	Wet scrubber	VE checks
27			TriMer Scrubber when generating NOx	VE checks
28				VE checks
29				TriMer scrubber water pH >9 for tanks 1, 2, 3
30				TriMer scrubber water flow rate (>50 gal/min)
31				TriMer 1st Stage Pressure Drop (0.2-3"WC)
32				TriMer 2nd Stage Pressure Drop (1-5" WC)
33				TriMer 3rd Stage Pressure Drop (1-6"WC)
34	P028	Gen Cat Extruders (E-32)	Baghouse	Method 9 VE reading
35	P031	CER Color Blend, Crush, Mill (E-35)	Baghouse	VE checks
36	P050	Misc. Tablet Mix Equipment	Baghouse	VE checks
37	P051	J.H. Day Blenders (E-55)	Baghouse	VE checks
38	P053	Nickel Tablet System (E-57)	2 Baghouses	VE checks
39	P055	Zinc Tablet Mix (E-59)	Baghouse and a wet scrubber	VE checks
40				Type of fuel burned other than NG
41	P069	P-K Blender (E-76)	Baghouse	VE checks
42	P070	CU/CR Strike Tanks (E-77)	Wet scrubber	Scrubber pressure drop (>1"WC)
43				Scrubber water flow rate (>25 gal/min)
44				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
45	P080	Rotary Calciner #5 (E-13)	TriMer Scrubber and baghouse	Type of fuel burned other than NG
46				VE checks
47				TriMer 1st Stage Pressure Drop (0-0.6"WC)
48				TriMer 2nd Stage Pressure Drop (1-3"WC)
49				TriMer 3rd Stage Pressure Drop (3-5"WC)
50				TriMer scrubber water flow rate (>50 gal/min)
51				TriMer scrubber water pH (10-12)
52				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
53	P086	Gen Cat P&S Dryers #2 & #3	Viron scrubber #1 & #2	Scrubber pressure drop (>1"WC)
54				Scrubber water flow rate (>2 gal/min)
55				Type of fuel burned other than NG
56				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
57				Scrubber liquor pH (6-11)
58	P092	Rotary Calciner #6	Dust collector	<2" water WC
59			Dust collector	VE checks
60			Sly Scrubber	Flow > 2gpm
61			Sly Scrubber	Demister pressure drop <1" WC
62			Sly Scrubber	VE checks
63			SCR and SCR Dust Collector, when emitting NOx	Dust Collector >1" WC
64			SCR and SCR Dust Collector, when emitting NOx	SCR bed exhaust Temp. >650 degrees F

Sheet1

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1																	
2	Monitoring Frequency	Enforceability	Reporting	Monitoring/Recordkeeping Form	January Operating Parameter	January Missing Record	February Operating Parameter	February Missing Record	March Operating Parameter	March Missing Record	April Operating Parameter	April Missing Record	May Operating Parameter	May Missing Record	June Operating Parameter	June Missing Record	July Operating Parameter
3	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
4	daily	Fed & State	Quarterly Deviation Report	Calcliner Baghouse Reading Form													
5	daily	Fed & State	Quarterly Deviation Report	Operating Record													
6	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
7	daily	Fed & State	30 Day report	Operating Record													
8	quarterly	Fed & State	Quarterly Deviation Report														
9	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form							8						
10	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form			1										
11	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	4		1		5								
12	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
13	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	1												
14	daily	State only		Operating Record													
15	daily	Fed & State	30 Day report	Operating Record													
16	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
17	quarterly	Fed & State	Quarterly VE report														
18	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form							9		1		1		
19	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
20	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	4				3				2		5		
21	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
22	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
23	daily	State only		Operating Record													
24	daily	Fed & State	Quarterly Deviation Report	Wyssmont Drier DC Reading Form													
25	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
26	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
27	weekly	State only	Semi-annual VE report	Weekly Visual Emission Report													
28	daily	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
29	daily	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
30	daily	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
31	daily	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
32	daily	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
33	quarterly	State only	Quarterly VE report														
34	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
35	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
36	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
37	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
38	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
39	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
40	daily	Fed & State	30 Day report	Operating Record													
41	weekly	Fed & State	Semi-annual VE report														
42	daily	Fed & State	Quarterly Deviation Report	NH3 and HNO3 Scrubber Reading Form													
43	daily	Fed & State	Quarterly Deviation Report	NH3 and HNO3 Scrubber Reading Form													
44	daily	Fed & State		Operating Record													
45	daily	Fed & State	30 Day report	Operating Record													
46	weekly	Fed & State	Semi-annual Deviation Report	Weekly Visual Emission Report													
47	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	20				35								
48	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	5				6								
49	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
50	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
51	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form	1				6								
52	daily	State only		Operating Record													
53	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report	1												
54	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
55	daily	Fed & State	30 Day report	Operating Record													
56	daily	Fed & State		Operating Record													
57	once per shift	Fed & State	Quarterly Deviation Report	Daily Emission Units Report	9		2		12		1						
58	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
59	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
60	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
61	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
62	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
63	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
64	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													

	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1											
2	July Missing Record	August Operating Parameter	August Missing Record	September Operating Parameter	September Missing Record	October Operating Parameter	October Missing Record	November Operating Parameter	November Missing Record	December Operating Parameter	December Missing Record
3											
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61						2					
62											
63											
64											

	A	B	C	D
65			SCR	VE checks
66				Type of fuel burned other than NG
67				Emission factors for NOx emitting materials
68				Record of NOx emitting materials
69	P094	Spin Flash Dryer (E-100)	none	VE checks
70	P095	Copper Calciner #2 (E-101)	3 baghouses	Baghouse pressure drop (1-6"WC) - 3 baghouses
71				Type of fuel burned other than NG
72	P098	Bldg 25 East Tableting	baghouse	VE checks
73	P099	PK Blender #2 (E-103)	baghouse and a wet scrubber	VE checks
74				Baghouse pressure drop (3-5"WC)
75				Scrubber pressure drop (>2"WC)
76				Scrubber water flow rate (as recommended by manfctrer)
77				Operating record
78	P100	Tunnel Kiln #2 (E-8)	baghouse	VE checks
79	P101	Tunnel Kiln #3 (E-8)	baghouse	VE checks
80	P102	Rotary Calciner #2	F-1 Scrubber, TriMer Scrubber, SCR unit and baghouse	Type of fuel burned other than NG
81				VE checks (baghouse)
82				Method 9 VE reading
83				TriMer 2nd Stage Pressure Drop (1-3"WC)
84				TriMer 3rd Stage Pressure Drop (3-5"WC)
85				TriMer scrubber water flow rate (>50 gal/min)
86				TriMer scrubber water pH (10-12)
87				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
88	P103	Rotary Calciner #3	F-1 Scrubber, TriMer Scrubber, SCR unit and baghouse	Type of fuel burned other than NG
89				VE checks (baghouse)
90				Method 9 VE reading
91				TriMer 2nd Stage Pressure Drop (1-3"WC)
92				TriMer 3rd Stage Pressure Drop (3-5"WC)
93				TriMer scrubber water flow rate (>50 gal/min)
94				TriMer scrubber water pH (10-12)
95				Operating times for the capture and control system, monitoring equipment, and the associated emission unit.
96	P104	Iron Catalyst Mixing (E-104)	Baghouse	Baghouse pressure drop (3-5"WC)
97	P105	Gravity Bed Separator	Dust collector	Baghouse pressure drop (1-4"WC)
98				VE checks
99	P106	National Dryer	Baghouse	Baghouse pressure drop (1-4"WC)
100				VE checks
101				Type of fuel burned other than NG
102				Method 9 VE reading
103	P129	LIB Plant	Capture System	VE Capture
104			Dust collectors and afterfilters	Pressure drop
105				VE Checks
106	P130	#6 P&S Dryer	Sly Scrubber	Flow > 2gpm
107			Sly Scrubber	Demister pressure drop <1" WC
108			Sly Scrubber	VE checks
109				Type of fuel burned other than NG
110	P131	Copper Tablet Precursor Process	Dust collector	Baghouse pressure drop >1" WC
111				VE checks
112			Bin vent	Bin vent pressure drop >1"WC
113				VE checks
114				Type of fuel burned other than NG
115				Rolling twelve month record of HAP (Chromium) emissions
116	P132	Powder Room	Dust collector (lines 1-3)	Baghouse pressure drop >1" WC
117			Fabric filter (50 lb. bag transfer)	Filter pressure drop >1" WC
118				VE checks
119				
120		<b>2015 DEVIATIONS</b>		
121		<b>Breakdown of Type</b>		1st Quarter
122		Operating outside permit parameters		124
123		Operations failure to complete forms		0
124		Data collection failure do to inaccurate forms		0
125		Visible emissions checks		0
126		Total		124
130		<b>BREAKDOWN OF OPERATING OUTSIDE PARAMETERS DEVIATIONS</b>		
132		TriMer		92
133		Others		32
134		% Trimer		75

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
65	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
66	daily	Fed & State	30 Day report	Operating Record													
67	daily	Fed & State	Quarterly Deviation Report	Operating Record													
68	daily	Fed & State	Quarterly Deviation Report	On file													
69	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
70	daily	Fed & State	Quarterly Deviation Report	Calciner Baghouse Reading Form													
71	daily	Fed & State	30 Day report	Operating Record													
72	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
73	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
74	daily	State only	Quarterly Deviation Report	Daily Emission Units Report													
75	daily	State only	Quarterly Deviation Report	Daily Emission Units Report													
76	daily	State only	Quarterly Deviation Report	Daily Emission Units Report													
77				Operating Record													
78	weekly	Fed & State	Semi-annual VE report	Daily Emission Units Report													
79	weekly	Fed & State	Semi-annual VE report	Daily Emission Units Report													
80	daily	Fed & State	30 Day report	Operating Record													
81	daily	Fed & State	Semi-annual VE report	Daily Emission Units Report													
82	quarterly	Fed & State	Semi-annual VE report														
83	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
84	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
85	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
86	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
87	daily	State only		Operating Record													
88	daily	Fed & State	30 Day report	Operating Record													
89	daily	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
90	quarterly	Fed & State	Quarterly VE report														
91	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
92	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
93	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
94	once per shift	State only	Quarterly Deviation Report	Tri-Mer Scrubber Reading Form													
95	daily	State only		Operating Record													
96	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
97	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
98	daily	Fed & State	Semi-annual VE report														
99	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report					5		2					2	
100	daily	Fed & State	Semi-annual VE report	Daily Emission Units Report													
101	daily	Fed & State	30 Day report	Operating Record													
102	quarterly	Fed & State	Quarterly Deviation Report														
103	daily	Fed & State	Semi-annual VE report	Daily Capture System Inspection			2		1		1						3
104	daily visual / continuous	Fed & State	Quarterly Deviation Report	Daily Pressure Drop Reading Form							1						1
105	weekly	Fed & State	Semi-annual VE report	Weekly Visual Emission Report													
106	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
107	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
108	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
109	daily	Fed & State	30 Day report	Operating Record													
110	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
111	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
112	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
113	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
114	daily	Fed & State	30 Day report	Operating Record													
115	monthly	Fed & State		On file													
116	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
117	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
118	daily	Fed & State	Quarterly Deviation Report	Daily Emission Units Report													
119					45	0	6	0	73	0	22	0	3	0	6	2	4
120																	
121	2nd Quarter	3rd Quarter	4th Quarter	Total													
122	31	86	184	430													
123	2	0	0	2													
124	0	51	4	55													
125	0	0	0	0													
126	33	137	188	487													
130																	
132	25	60	177	359													
133	6	26	7	71													
134	72	72	94	83													

	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF
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112	6		27		18		4				
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118											
119	6	58	27	25	18	13	4	73	0	98	0
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132											
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	A	B	C	D
138		2015 goal: <XXX deviation for non-TriMer parameters	actual as of 12/31/15 - 123	

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
138																	

	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF
138											